

10/520527

Fig. 1

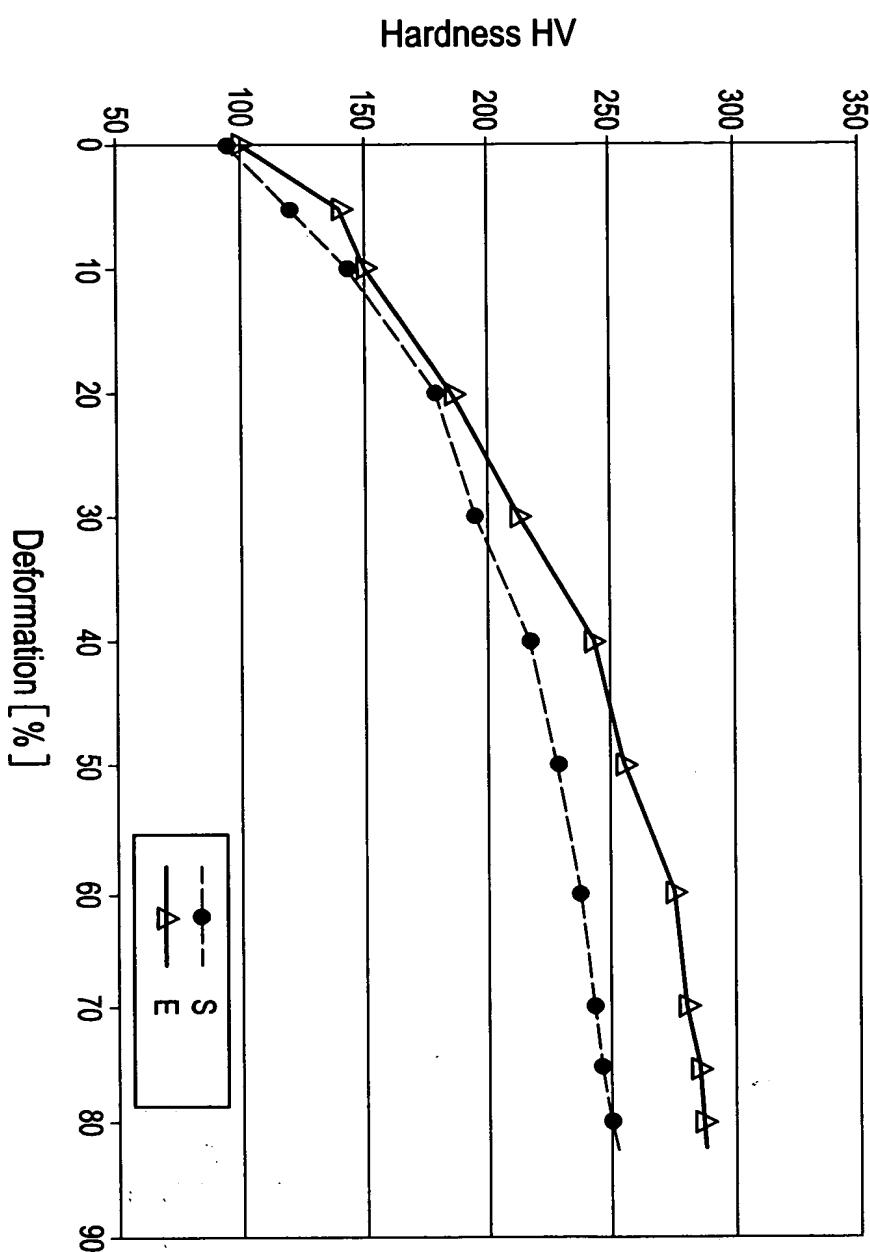


Fig. 2a

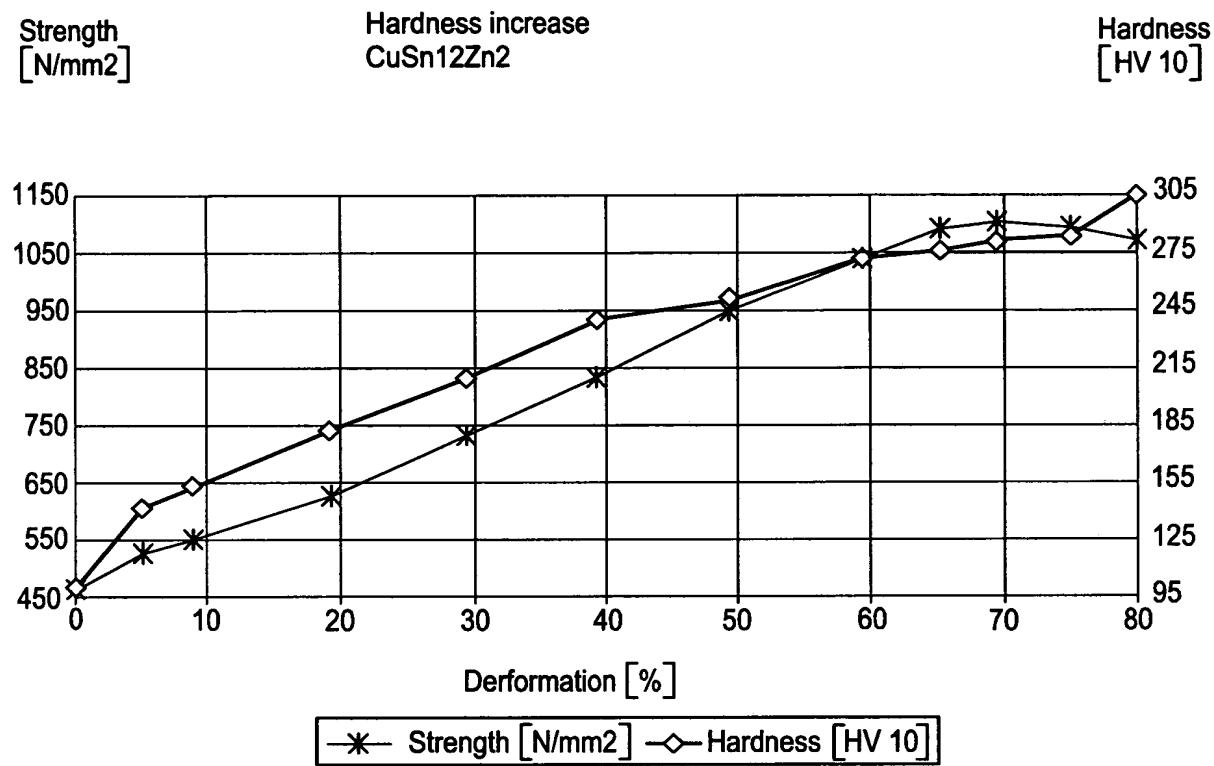


Fig. 2b

Hardness increase

No.	d [mm]	QV [%]	Strength [N/mm ²]	Hardness [HV 10]	Ductility [%]
1	4,00	0	467	99	62
2	3,90	4,94	517	141	46
3	3,82	8,80	543	153	40
4	3,60	19,00	621	182	15
5	3,36	29,44	741	210	6
6	3,12	39,16	845	241	2
7	2,85	49,23	955	252	1
8	2,56	59,20	1039	271	1
9	2,33	66,21	1084	275	1
10	2,21	69,47	1094	280	1
11	2,01	74,75	1084	282	1
12	1,80	80,00	1067	304	1

Fig. 3a

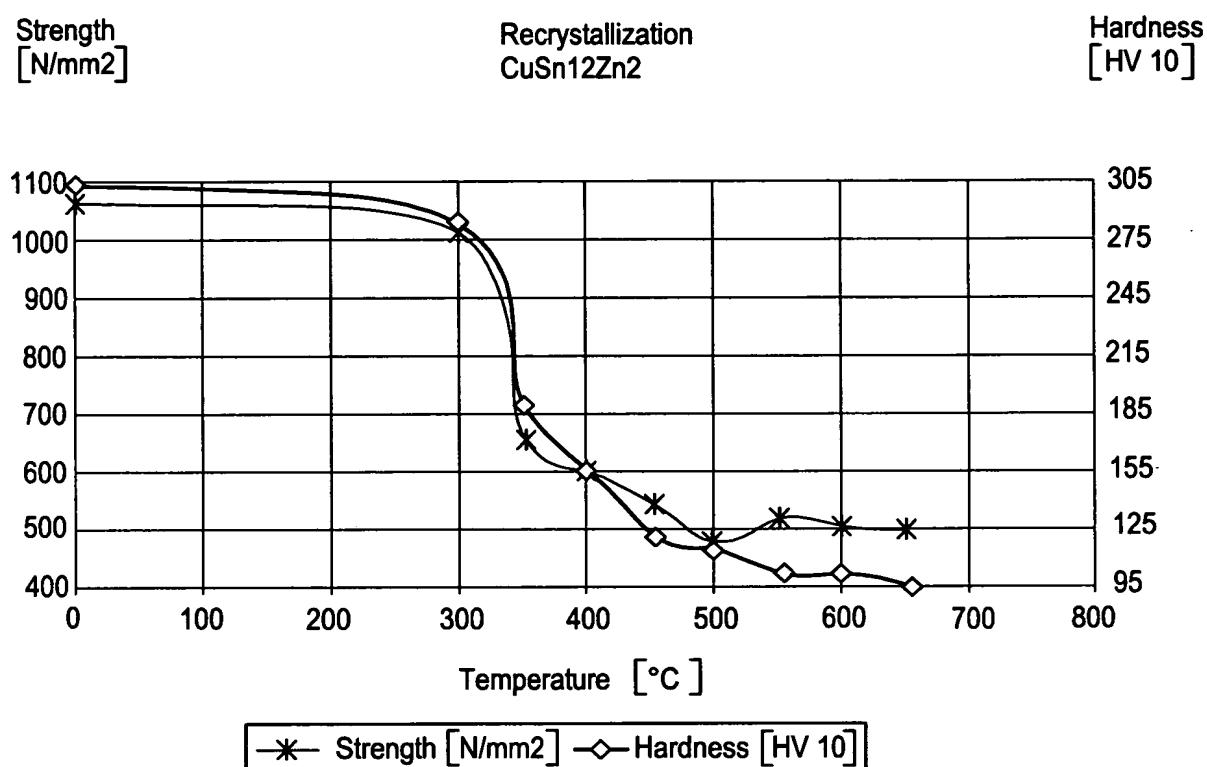


Fig. 3b

Recrystallization

d [mm]		1.81			
No.	Temperature [°C]	Strength [N/mm ²]	Hardness [HV 10]	Ductility [%]	
1	0	1067	304	1	
2	300	1015	286	1	
3	350	656	189	29	
4	400	597	166	25	
5	450	541	119	53	
6	500	472	113	27	
7	550	513	100	55	
8	600	502	99	57	
9	650	492	95	58	
10	700				
11	750				
12	800				